

Claim amendments:

The following shows the status of all claims:

Sub B7

1. (Currently Amended) A method for generating metadata for transmission to a programming event receiver, the metadata describing a programming event, the method comprising:

receiving data corresponding to a the programming event, the data including descriptive information and timing information;

analyzing the received data for the programming event to determine numerical category-goodness of fit scores for the programming event corresponding to categories of a classification hierarchy;

analyzing the received data to determine keywords associated with the programming event; and

storing numerical category-goodness of fit scores and keywords for the programming event in association with time data and descriptive data for the programming event as the metadata for describing the programming event.

2. (Currently Amended) The method claimed in claim 1, further comprising determining respective numerical keyword-goodness of fit scores corresponding to categories of said classification hierarchy for each of said determined keywords.

3. (Currently Amended) The method claimed in claim 2, further comprising determining a representative subset of said determined keywords by a thresholding procedure using said numerical keyword-goodness of fit scores for said determined keywords, and

wherein storing keywords comprises storing said representative subset of keywords and their corresponding numerical keyword-goodness of fit scores as part of said metadata.

4. (Currently Amended) The method claimed in claim 1, further comprising determining a representative subset of said numerical category goodness of fit scores, and

wherein storing numerical category goodness of fit scores comprises storing said representative subset of said numerical category goodness of fit scores.

5. (Currently Amended) The method claimed in claim 1, wherein the received data comprises program descriptive data data.

6. (Original) The method claimed in claim 1, wherein the received data comprises production data including descriptive information and timing information.

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cont. 7. (Currently Amended) The method claimed in claim 6, wherein analyzing the received data is preceded by determining a time and a duration of individual segments of a program described by the production data, and

wherein said metadata is generated using received data that is specific to an individual segment of said program such that the metadata is descriptive of that individual segment.

8. (Original) The method claimed in claim 7, wherein determining a time and duration is preceded by processing the production data to conform to a standard delimited format.

9. (Currently Amended) The method claimed in claim 7, wherein the received data further comprises program descriptive data data-describing the program.

10. (Original) The method claimed in claim 1, wherein storing keywords comprises storing no more than a predetermined number of keywords.

11. (Currently Amended) A device for generating metadata for transmission to a programming event receiver, the metadata describing a programming event, the device comprising:

at least one processor; and

memory coupled to the at least one processor and having stored therein programming instructions to perform data processing, comprising:

receiving data corresponding to ~~a~~ the programming event, the data including descriptive information and timing information;

analyzing the received data for the programming event to determine numerical category-goodness of fit scores for the programming event corresponding to categories of a classification hierarchy;

analyzing the received data to determine keywords associated with the programming event; and

storing numerical category-goodness of fit scores and keywords for the programming event in association with time data and descriptive data for the programming event as the metadata for describing the programming event.

12. (Currently Amended) The device claimed in claim 11, said processing further comprising determining respective numerical keyword-goodness of fit scores corresponding to categories of said classification hierarchy for each of said determined keywords.

13. (Currently Amended) The device claimed in claim 12, said processing further comprising determining a representative subset of said determined keywords by a thresholding procedure using said numerical keyword-goodness of fit scores for said determined keywords, and

wherein storing keywords comprises storing said representative subset of keywords and their corresponding numerical keyword-goodness of fit scores as part of said metadata.

14. (Currently Amended) The device claimed in claim 11, said processing further comprising determining a representative subset of said numerical category-goodness of fit scores, and

wherein storing numerical category-goodness of fit scores comprises storing said representative subset of said numerical category-goodness of fit scores.

15. (Currently Amended) The device claimed in claim 11, wherein the received data comprises program descriptive data-data.

16. (Original) The device claimed in claim 11, wherein the received data comprises production data including descriptive information and timing information.

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17. (Currently Amended) The device claimed in claim 16, wherein analyzing the received data is preceded by determining a time and a duration of individual segments of a program described by the production data, and wherein said metadata is generated using received data that is specific to an individual segment of said program such that the metadata is descriptive of that individual segment.

18. (Original) The device claimed in claim 17, wherein determining a time and duration is preceded by processing the production data to conform to a standard delimited format.

19. (Currently Amended) The device claimed in claim 17, wherein the received data further comprises program descriptive data data-describing the program.

20. (Original) The device claimed in claim 11, wherein storing keywords comprises storing no more than a predetermined number of keywords.

21. (Currently Amended) A method for generating metadata for transmission to a programming event receiver, the metadata describing a programming event, the method comprising:

determining candidate keywords from descriptive data associated with the programming event;

providing the candidate keywords as respective inputs to a classification tool configured to generate numerical goodness of fit scores for corresponding to categories of a classification hierarchy;

selecting keywords from among said candidate keywords based on category the numerical goodness of fit scores generated corresponding to the categories of the classification hierarchy for each of said candidate keywords ~~by the classification tool~~; and

storing said selected keywords as a component of said metadata for describing the programming event.

22. (Original) The method claimed in claim 21, wherein determining candidate keywords comprise determining verbs and nouns of said descriptive data.

23. (Currently Amended) The method claimed in claim 21, wherein selecting keywords is preceded by:

~~correlating category determining correlations between numerical goodness of fit scores of generated from said candidate keywords to and numerical category goodness of fit scores of generated from said descriptive data associated with said programming event; and~~

discarding candidate keywords having low correlation.

24. (Currently Amended) The method claimed in claim 21, wherein selecting keywords comprises eliminating candidate keywords by a thresholding process using a highest ~~category~~ numerical goodness of fit score associated with each candidate keyword.

25. (Currently Amended) The method claimed in claim 21, further comprising storing a highest ~~category~~ numerical goodness of fit score associated with each selected keyword as a corresponding keyword goodness of fit score.

26. (Original) The method claimed in claim 21, wherein storing selected keywords comprises storing no more than a predetermined number of selected keywords.

27. (Currently Amended) A device for generating metadata for transmission to a programming event receiver, the metadata describing a programming event, the metadata comprising:

at least one processor; and

memory coupled to the at least one processor and having stored therein programming instructions to perform data processing, comprising:

determining candidate keywords from descriptive data associated with the programming event;

providing the candidate keywords as respective inputs to a classification tool configured to generate numerical goodness of fit scores for corresponding to categories of a classification hierarchy;

selecting keywords from among said candidate keywords based on category the numerical goodness of fit scores generated corresponding to the categories of the classification hierarchy for each of said candidate keywords ~~by the classification tool~~; and

storing said selected keywords as a component of said metadata ~~for describing the programming event~~.

28. (Original) The device claimed in claim 27, wherein determining candidate keywords comprise determining verbs and nouns of said descriptive data.

29. (Currently Amended) The device claimed in claim 27, wherein selecting keywords is preceded by:

~~correlating category-determining correlations between numerical goodness of fit scores of-generated from said candidate keywords to-and numerical category-goodness of fit scores of-generated from said descriptive data associated with said programming event; and~~

~~discarding candidate keywords having low correlation.~~

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30. (Currently Amended) The device in claim 27, wherein selecting keywords comprises eliminating candidate keywords by a thresholding process using a highest ~~category-numerical~~ goodness of fit score associated with each candidate keyword.

31. (Currently Amended) The device claimed in claim 27, said processing further comprising storing a highest ~~category-numerical~~ goodness of fit score associated with each selected keyword as a corresponding keyword goodness of fit score.

32. (Original) The device claimed in claim 27, wherein storing selected keywords comprises storing no more than a predetermined number of selected keywords.